

1638 #4



PATENT

Our Docket: P-LJ 4868

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)
John C. Reed)
Serial No.: 09/955,526)
Filed: September 12, 2001)
For: PLANT CYTOPROTECTIVE)
GENES AND METHODS OF)
USING SAME)

Examiner: Collins Unknown
Group Art Unit: 1638

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on December 5, 2001.

By Andrea L. Gashler
Andrea L. Gashler, Reg. No. 41,029

December 5, 2001
Date of Signature

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.97, enclosed are references relating to the above-identified application. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449, and a copy of each is enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and that their consideration be made of written record in the application file.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-0370.

Respectfully submitted,

Date: December 5, 2001

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Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4868	SERIAL NO. 09/955,526
	APPLICANT: JOHN C. REED	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: September 12, 2001	GROUP: 1

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

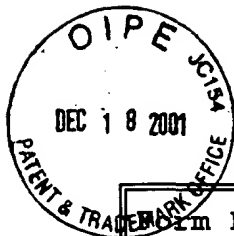
EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS- LATION YES/NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

		GenBank Accession No.: AB025926 - Oryza sativa BI-1 mRNA for Bax inhibitor-1, complete CDs.
		GenBank Accession No.: AB025927 - Arabidopsis thaliana AtBI-1 mRNA for Bax inhibitor-1, complete CDs.
		GenBank Accession No.: AI771102 - EST252202 tomato ovary, TAMU Lycopersicon esculentum cDNA clone cLED28D11, mRNA sequence
		Beers, "Programmed cell death during plant growth and development," <u>Cell Death and Differentiation</u> 4:649-661 (1997)
		Fukuda, "Programmed cell death during vascular system formation," <u>Cell Death Different.</u> 4:684-688 (1997)
		Fukuda, "Xylogenesis: initiation progression and cell death," <u>Annu. Rev. Plant Physiol. Plant Mol. Biol.</u> 47:229-325 (1996)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4868	SERIAL NO. 09/955,526
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		Groover and Jones, "Tracheary element differentiation uses a novel mechanism coordinating programmed cell death and secondary cell wall synthesis," <u>Plant Physiol.</u> 119:375-384 (1997)
		Hadfield and Bennett, "Programmed senescence of plant organs," <u>Cell Death Different.</u> 4:662-670 (1997)
		Heath, "Nonhost resistance and nonspecific plant defenses," <u>Current Opinion in Plant Biology</u> 3:315-319 (2000)
		Heath, "Apoptosis, programmed cell death and the hypersensitive response," <u>Eur. J. Plant Pathol.</u> 104:117-124 (1998)
		Jones and Dangl, "Logjam at the Styx: programmed cell death in plants," <u>Trends in Plant Science</u> 1:114-119 (1996)
		Kawai et al., "Evolutionally conserved plant homologue of the Bax Inhibitor-1 (BI-1) gene capable of suppressing Bax-induced cell death in yeast," <u>FEBS Letters</u> 464:143-147 (1999)
		Lacomme and Cruz, "Bax-induced cell death in tobacco is similar to the hypersensitive response," <u>Proc. Natl. Acad. Sci. USA</u> 96:7956-7961 (1999)
		Lam et al., "Die and let live - programmed cell death in plants," <u>Current Opinion in Plant Biology</u> 2:502-507 (1999)
		Mitsuhara et al., "Animal cell-death suppressors Bcl-x(L) and Ced-9 inhibit cell death in tobacco plants," <u>Curr. Biol.</u> 9:775-778 (1997)
		Mittler and Lam, "In situ detection of nDNA fragmentations during the differentiation of tracheary elements in higher plants," <u>Plant Physiol.</u> 108:489-493 (1995)

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	Mittler et al., "Inhibition of Programmed Cell Death in Tobacco Plants during a Pathogen-Induced Hypersensitive Response at Low Oxygen Pressure," <u>Plant Cell</u> 8:1991-2001 (1996)
	Mourgues et al., "Strategies to improve plant resistance to bacterial diseases through genetic engineering," <u>TIBECH</u> 16:203-210 (1998)
	Nam, "The molecular genetic analysis of leaf senescence.," <u>Curr. Opin. Biotech.</u> 8:200-207 (1997)
	Navarre and Wolpert, "Victorin induction of an apoptotic/senescence-like response in oats," <u>The Plant Cell</u> 11:237-249 (1999)
	Pennell and Lamb, "Programmed Cell Death in Plants," <u>The Plant Cell</u> 9:1157-1168 (1997)
	Pontier et al., "The hypersensitive response. A programmed cell death associated with plant resistance," <u>C.R. Acad. Sci. Paris</u> 321:721-724 (1998)
	Ryerson and Heath, "Cleavage of Nuclear DNA into Oligonucleosomal Fragments during Cell Death Induced by Fungal Infection or by Abiotic Treatments," <u>The Plant Cell</u> 8:393-402 (1996)
	Solomon et al., "The involvement of cysteine proteases and protease inhibitor genes in the regulation of programmed cell death in plants," <u>The Plant Cell</u> 11:431-444 (1999)
	Wang et al., "Apoptosis in barley aleurone during germination and its inhibition by abscisic acid," <u>Plant Mol. Biol.</u> 32:1125-1134 (1996)
	Xu et al., "Methods of Assaying Bcl-2 and Bax Family Proteins in Yeast," <u>Methods: A Companion to Methods in Enzymology</u> 17:292-304 (1999)

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